

IN THE CLAIMS:

Please amend claims 2, 3, 6, 10, 14 and 15 as shown below, in which deleted terms are indicated with strikethrough and/or added terms are indicated with underscoring. Also, please add claim 18, which is the same as claim 5 previously cancelled, and add claim 19 which is identical to original claim 6.

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1            1. (Previously amended) A laser oscillator, comprising:  
2            a semiconductor laser for generating a pumping laser light;  
3            a laser medium for receiving said pumping laser light and for  
4            generating an attained laser light, said laser medium having an optical axis;  
5/           and  
6            a concave mirror for reflecting pumping laser light from said  
7            semiconductor laser to said laser medium;  
8            wherein said pumping laser light generated from said semiconductor  
9            laser is condensed to irradiate upon said laser medium by said concave  
10           mirror, and wherein the said pumping laser light which is reflected by said  
11           concave mirror has a core axis which forms a predetermined non-linear angle  
12           with respect to the optical axis of said laser medium.

1           2. (Presently amended) A light scattering particle detector for detecting  
2           particles contained in sample fluid which defines a flow path, said particle  
3           detector comprising a semiconductor laser and a concave mirror disposed  
4           between said flow path and said semiconductor laser,

5 wherein laser light generated from said semiconductor laser is  
6 condensed to irradiate upon said flow path with said concave mirror and  
7 thereby a particle detecting region is defined.

1 3. (Presently amended) The light scattering particle detector of claim 2,  
2 further comprising a condenser lens disposed between said flow path and  
3 said concave mirror and having an optical axis, and wherein the core axis of  
4 said laser light which is reflected by said concave mirror has a predetermined  
5 non-linear angle with respect to the optical axis of said condenser lens.

6. (Presently amended) The light scattering particle detector of claim 2,  
wherein particles contained in said particle detecting region ~~may be~~ are detected  
by receiving scattered light generated by said laser light.

1 7. (Previously amended) A light scattering particle detector comprising:  
2 a semiconductor laser for generating pumping laser light;  
3 a laser medium for being pumped by said pumping laser light;  
4 a reflecting mirror on which laser light irradiated from said laser  
5 medium is reflected;  
6 a flow path defined by sample fluid and being provided between said  
7 laser medium and said reflecting mirror; and  
8 a particle detecting region defined by irradiating said laser light to the  
9 flow path,

10           said light scattering particle detector being adapted for detecting  
11   particles contained in said particle detecting region by receiving scattered  
12   light generated by said laser light,  
13           wherein the optical axis of said laser medium and the optical axis of  
14   said reflecting mirror are allowed to coincide with each other and a setting  
15   angle adjusting means is provided for adjusting setting angles of said laser  
16   medium and said reflecting mirror with respect to a setting block for each so  
17   as to make the optical axes intersect said flow path.

1   8. (Previously amended) A light scattering particle detector according to claim  
2   7, wherein said setting angle adjusting means comprises:

3           a laser medium setting member to which said laser medium is fixed, the  
4   setting angle of which laser medium setting member is adjustable with respect to  
5   said setting block for the laser medium;

6           a reflecting mirror setting member to which said reflecting mirror is fixed,  
7   the setting angle of which reflecting mirror setting member is adjustable with  
8   respect to said setting block for the reflecting mirror; and

9           elastic members which are interposed between said laser medium  
10   setting member and said setting block for the laser medium and between said  
11   reflecting mirror setting member and said setting block for the reflecting mirror.

1   9. (Previously amended) A light scattering particle detector according to claim  
2   8, wherein said elastic members are O-rings comprised of rubber.

1           10. (Presently amended) A laser oscillator, comprising:  
2           a semiconductor laser for generating a pumping laser light;  
3           a laser medium for receiving said pumping laser light and for generating  
4   an attained laser light, said laser medium having an optical axis; and  
5           a condensing lens for directing condensed pumping laser light from said  
6   semiconductor laser to said laser medium;  
7           wherein at least one of a setting position adjusting means for said  
8   semiconductor laser and a setting position adjusting means for the condenser  
9   lens is provided for superposing the intensity distribution of said pumping  
10   laser light generated from said semiconductor laser on the intensity  
11   distribution of said laser light irradiated from said laser medium.

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ant.  
1           13. (Previously amended) A light scattering particle detector in which said laser  
2   light irradiated from said laser oscillator according to claim 10 is directed to a  
3   flow path defined by sample fluid, and thereby a particle detecting region is  
4   defined, particles contained in which particle detecting region are detected by  
5   receiving scattered light generated by irradiating said laser light onto said  
6   particles.

1   14. (Presently amended) ~~The~~ A laser oscillator of Claim 10 in which pumping laser  
2   light generated from a pumping light source is condensed to irradiate upon a solid-  
3   state laser with a condenser and laser light irradiated from said solid-state laser is

4 allowed to reflect back to said solid-state laser from a reflector, wherein at least one  
5 of said ~~condensing lens~~ condenser and said reflector has a surface having different  
6 radii of curvature in the parallel direction and the perpendicular direction with respect to  
7 the flow path.

1 15. (Presently amended) The laser oscillator of Claim 14, ~~further comprising a~~  
2 ~~reflecting mirror having~~ wherein said condenser is a condenser lens, said  
3 reflector is a mirror, and both said condenser and said reflector have a surface  
4 having different radii of curvature in the parallel direction and the perpendicular  
5 direction with respect to the flow path.

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Cn. 1 17. (Previously amended) A light scattering particle detector in which said laser  
2 light irradiated from said laser oscillator according to claim 14 is directed to a  
3 flow path defined by sample fluid, and thereby a particle detecting region is  
4 defined, and wherein particles contained in said particle detecting region are  
5 detected by receiving and analyzing scattered light generated by irradiating said  
6 laser light on said particles.

1 18. (Reinstated – formerly claim 5) A laser oscillator in which pumping  
2 laser light generated from a semiconductor laser is condensed to irradiate  
3 upon a laser medium with a condenser lens, said laser medium is pumped,  
4 and thereby laser light is irradiated, wherein the optical axis of said  
5 semiconductor laser has a predetermined angle with respect to the optical

6 axis of said laser medium.

1 19. (Reinstated – formerly claim 6) A light scattering type particle

2 detector in which said laser light irradiated from said laser oscillator

3 according to claim 18 is condensed to irradiate upon a flow path defined by

4 sample fluid, and thereby a particle detecting region is defined, particles

5 contained wherein being detected by receiving scattered light generated by

6 said laser light.